

FIG. 1A CRYSTALLIZATION STEP

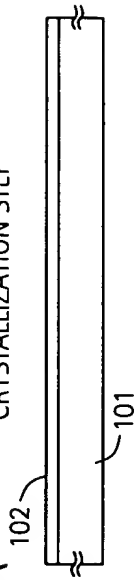


FIG. 1B

LASER IRRADIATION STEP

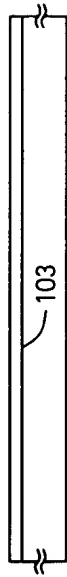


FIG. 1C

HEAT TREATMENT STEP IN REDUCING ATMOSPHERE

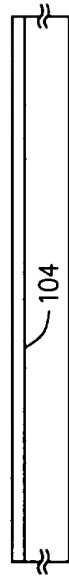


FIG. 1D

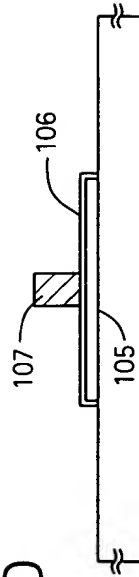


FIG. 1E

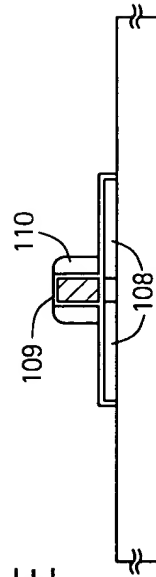


FIG. 1F

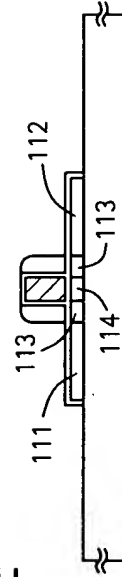


FIG. 1G

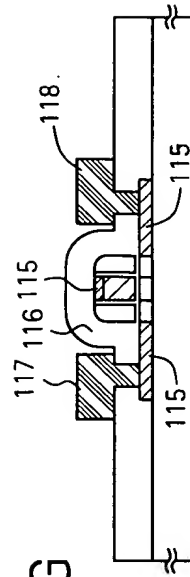


FIG. 2A

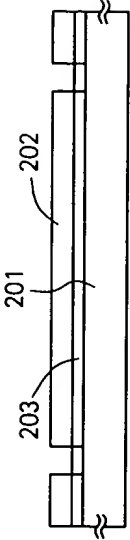


FIG. 2B

ADDING STEP OF PHOSPHORUS

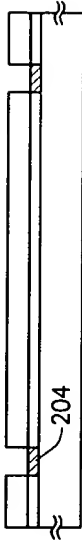


FIG. 2C

GETTERING STEP



FIG. 2D

HEAT TREATMENT STEP IN REDUCING ATMOSPHERE



FIG. 3A

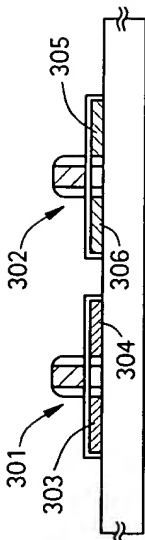


FIG. 3B

GETTERING STEP

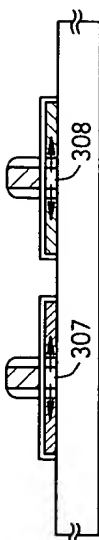


FIG. 4A

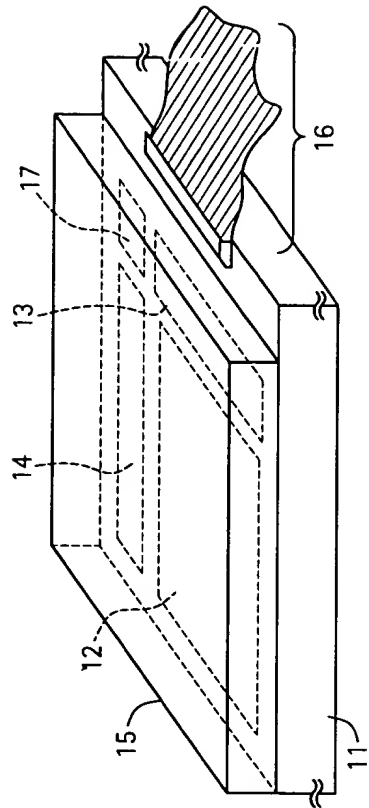


FIG. 4B

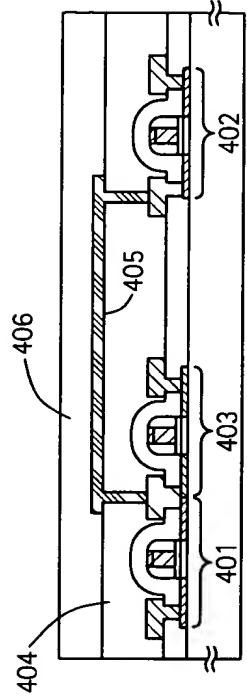


FIG. 4C

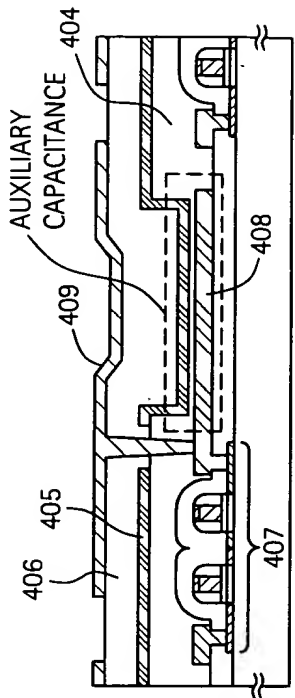




FIG. 6A

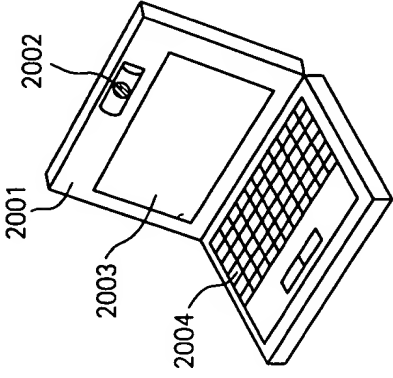


FIG. 6B

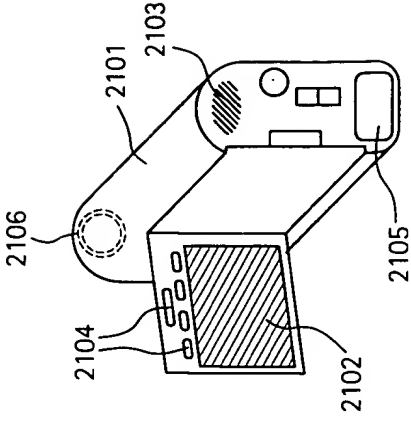


FIG. 6C

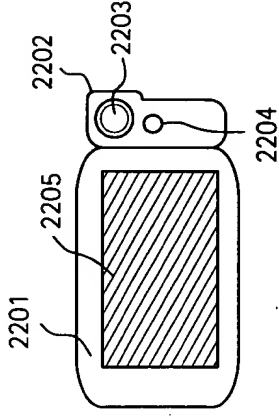


FIG. 6D

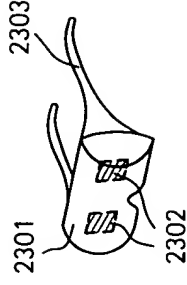


FIG. 6E

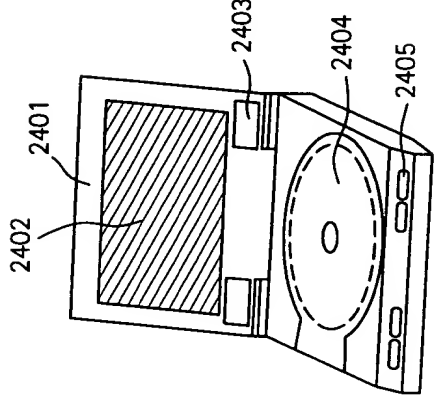


FIG. 6F

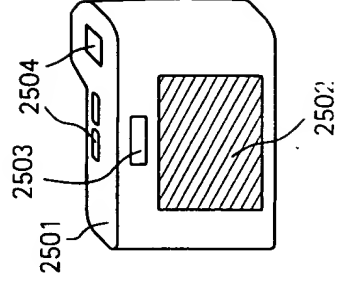


FIG. 7A

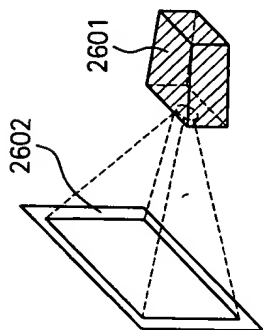


FIG. 7B

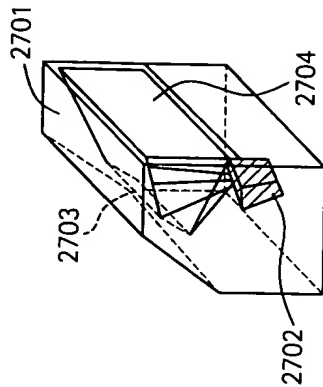


FIG. 7C

DISPLAY DEVICE (THREE-PLATE TYPE)

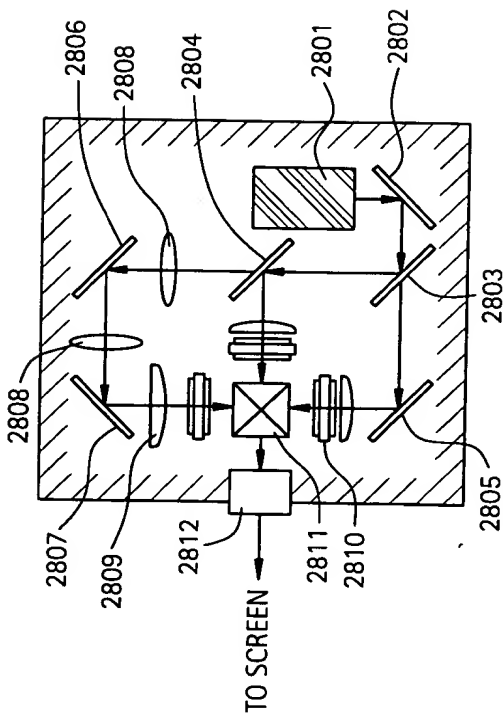


FIG. 7D

LIGHT SOURCE OPTICAL SYSTEM

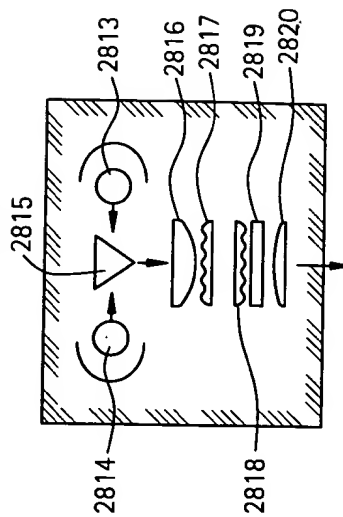


FIG. 8A

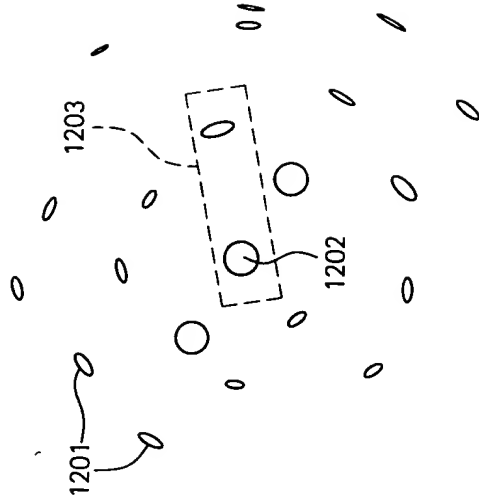


FIG. 8B

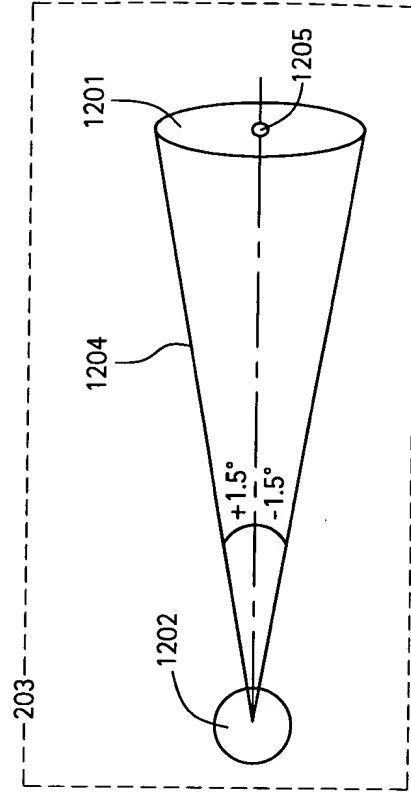
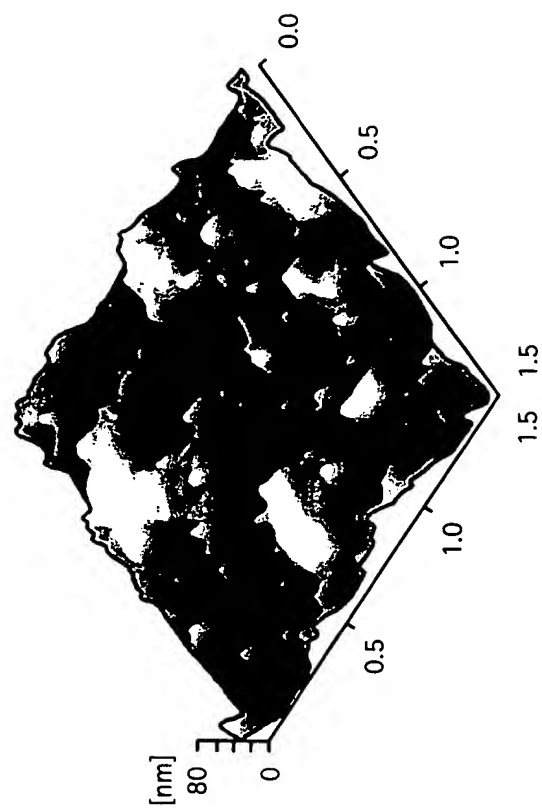


FIG. 11



AFTER HIGH TEMPERATURE ANNEALING

FIG. 12



BEFORE HIGH TEMPERATURE ANNEALING



FIG. 13

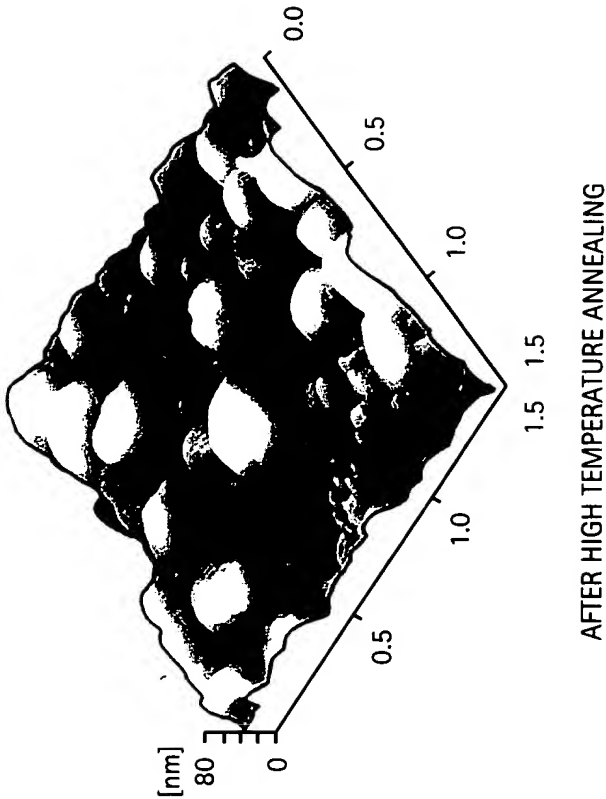


FIG. 14

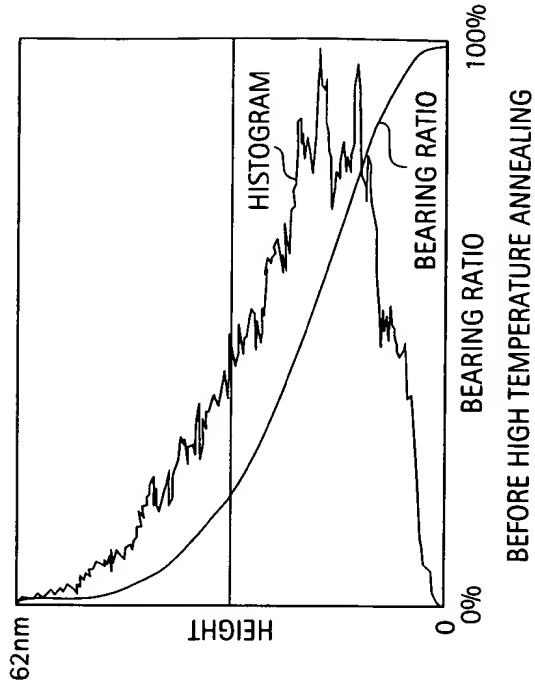
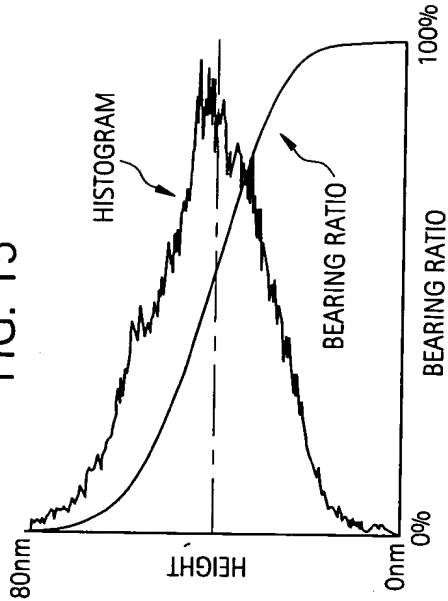


FIG. 15



AFTER HIGH TEMPERATURE ANNEALING

FIG. 16

| OBSERVATION<br>REGION        | BEFORE HIGH<br>TEMPERATURE ANNEALING | AFTER HIGH<br>TEMPERATURE ANNEALING |
|------------------------------|--------------------------------------|-------------------------------------|
| 1                            | 13.623                               | 40.925                              |
| 2                            | 20.027                               | 51.126                              |
| 3                            | 20.629                               | 59.364                              |
| 4                            | 21.798                               | 48.539                              |
| 5                            | 16.666                               | 55.341                              |
| 6                            | 15.097                               | 46.510                              |
| 7                            | 13.120                               | 57.655                              |
| 8                            | 14.035                               | 51.120                              |
| 9                            | 12.599                               | 54.416                              |
| 10                           | 20.699                               | 36.945                              |
| MINIMUM<br>VALUE (%)         | 12.60                                | 36.95                               |
| MAXIMUM<br>VALUE (%)         | 21.80                                | 59.36                               |
| AVERAGE<br>VALUE (%)         | 16.83                                | 50.19                               |
| STANDARD<br>DEVIATION $\tau$ | 3.61                                 | 7.18                                |

BEARING RATIO AT  $2^{-1}$  (P-V VALUE) (%)

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